

FIG. 1 is a schematic diagram of a cellular network system 100. The system includes a central base station 102, which is connected to a core network 104. The core network 104 is further connected to a public network 106. The public network 106 is connected to a group of mobile devices 108. The mobile devices 108 are shown as small rectangles with internal patterns, representing various types of communication devices. The entire system is enclosed within a dashed boundary 110, indicating a specific network area or coverage zone. The label 'cell site' is positioned near the base station 102, and the label '100' is located at the bottom right of the diagram.

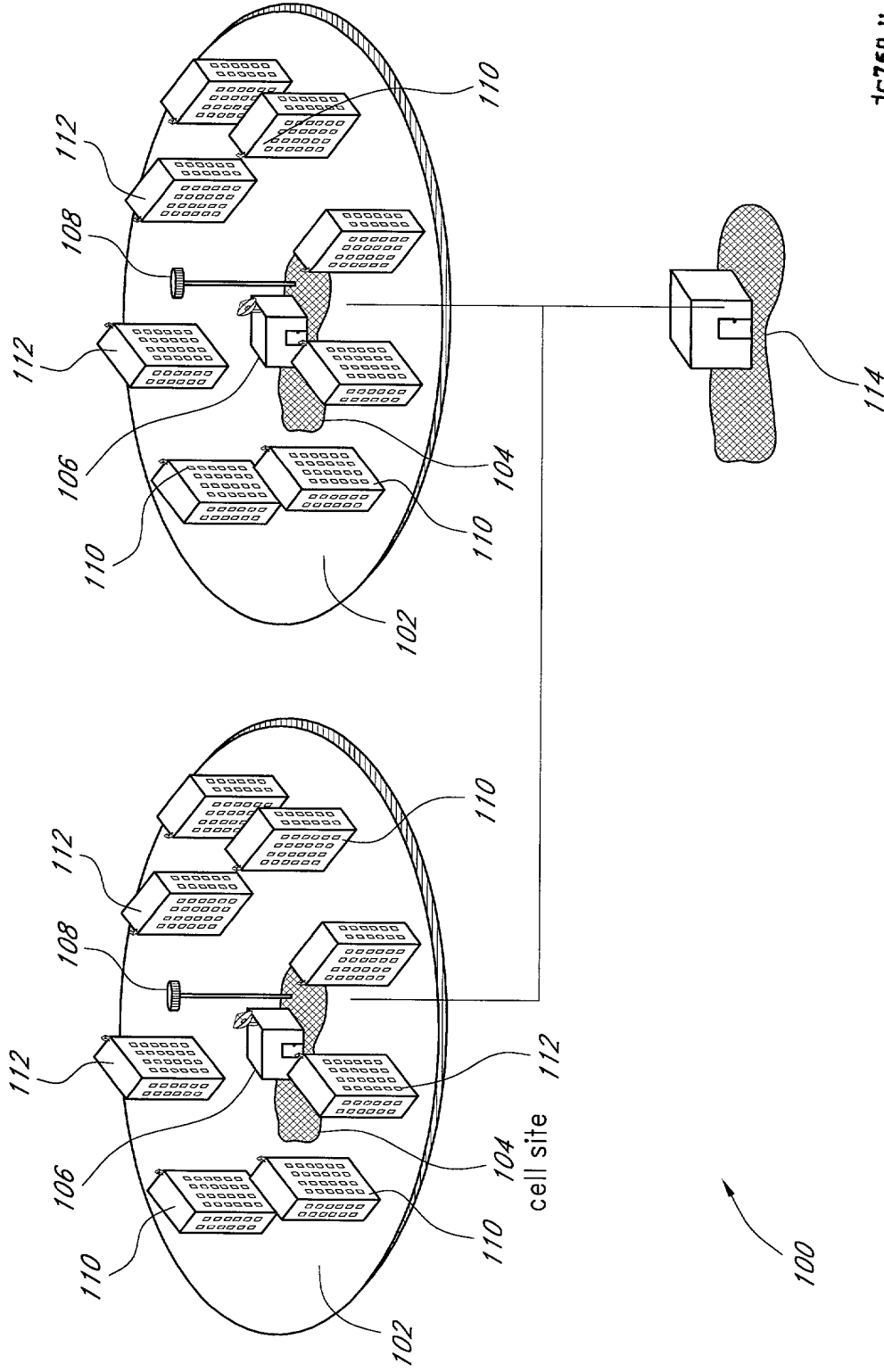


FIG. 1

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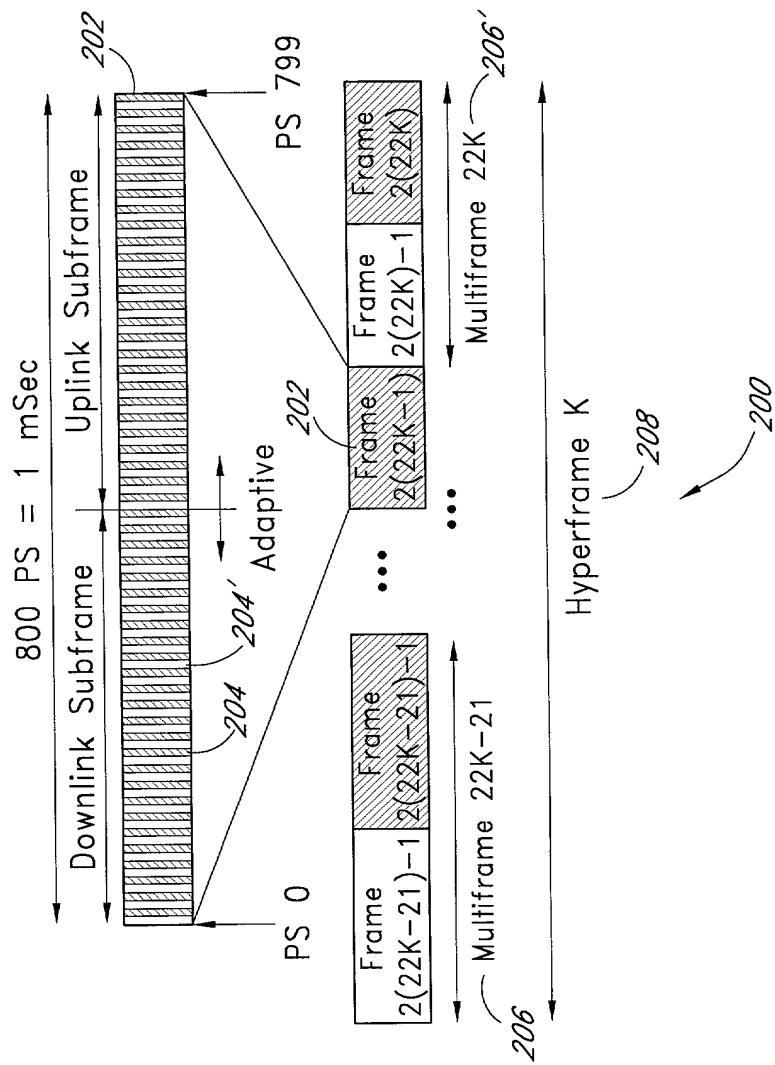


FIG. 2

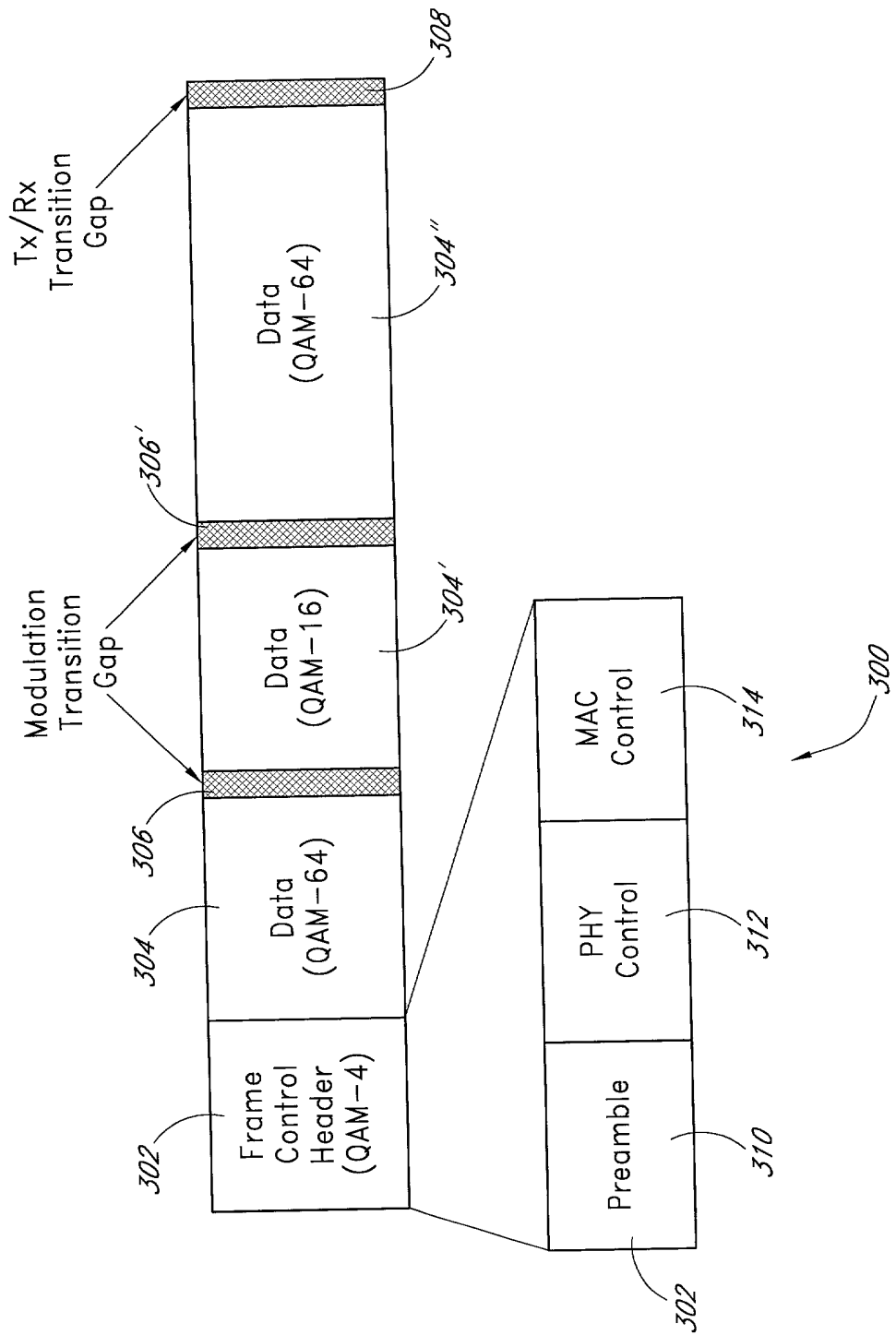


FIG. 3

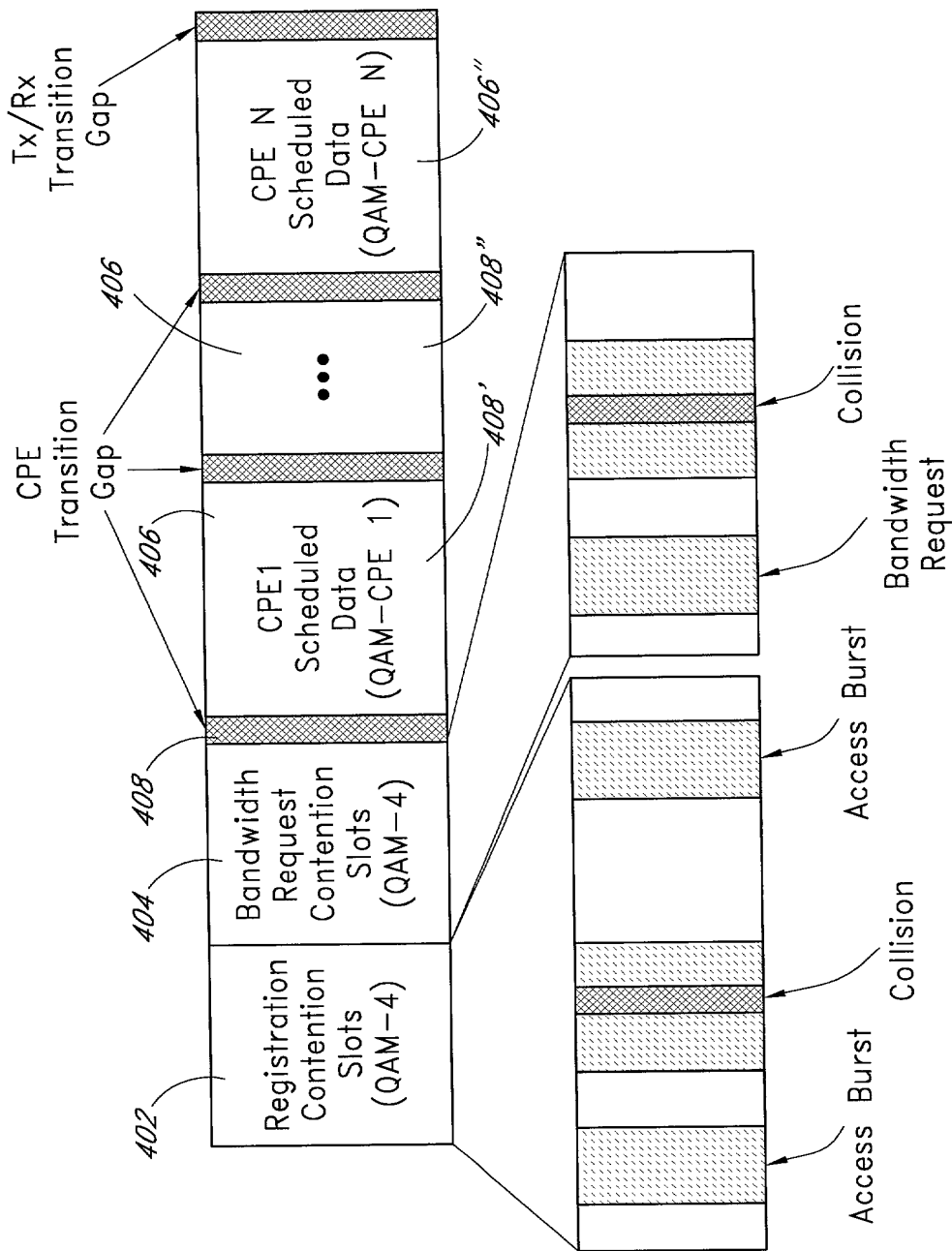


FIG. 4

400

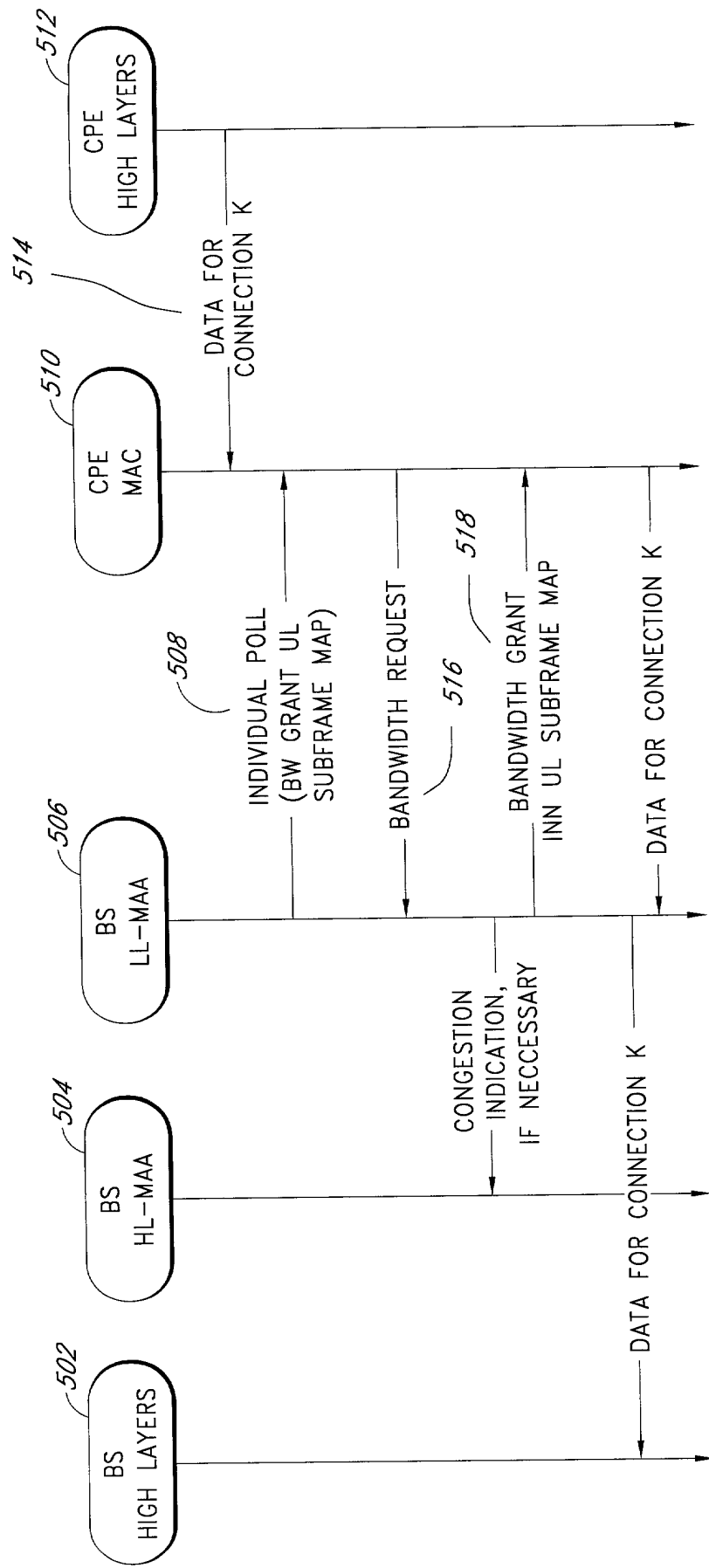


FIG. 5

FIG. 6A

FIG. 6A
FIG. 6B

FIG. 6

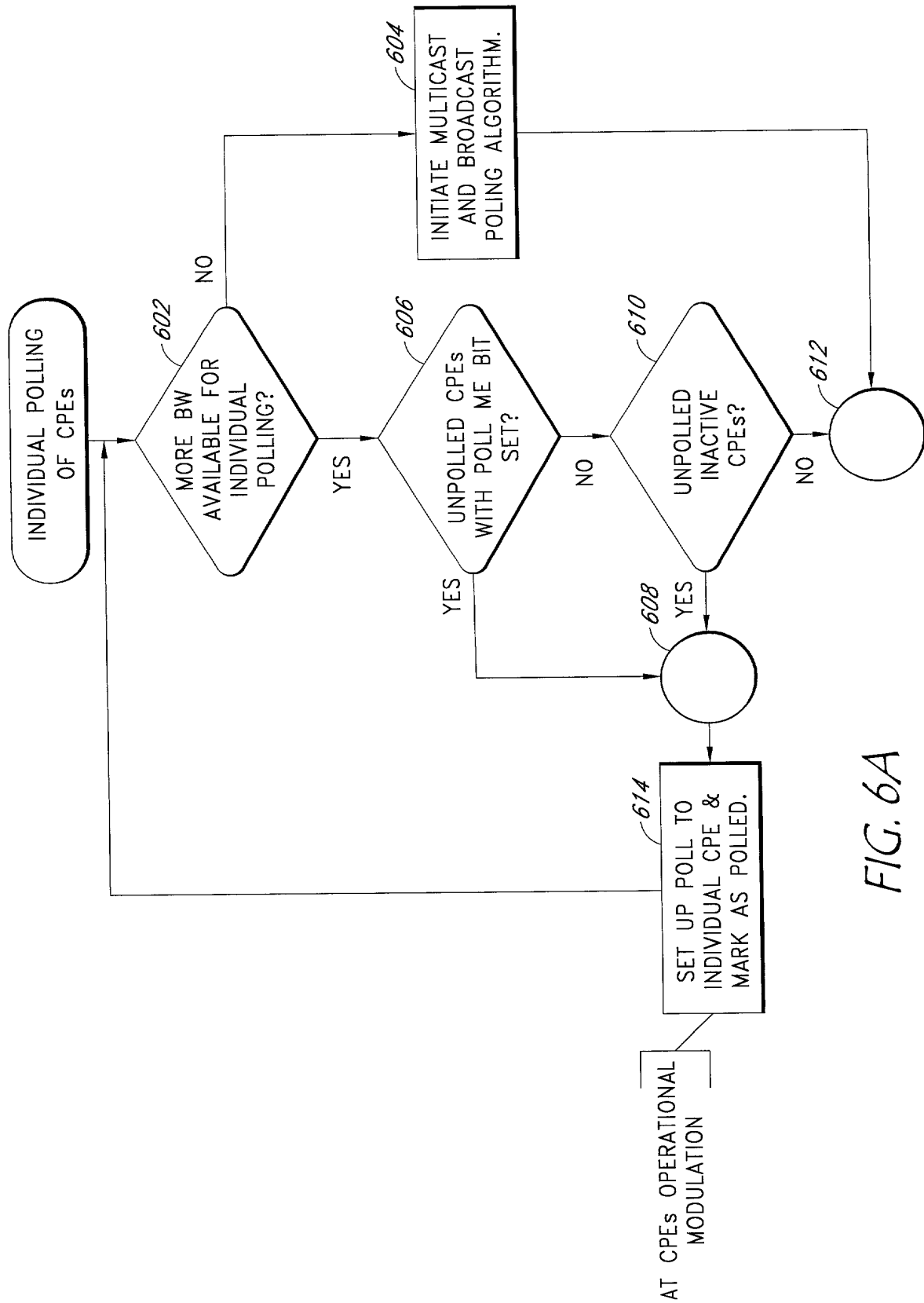


FIG. 6A

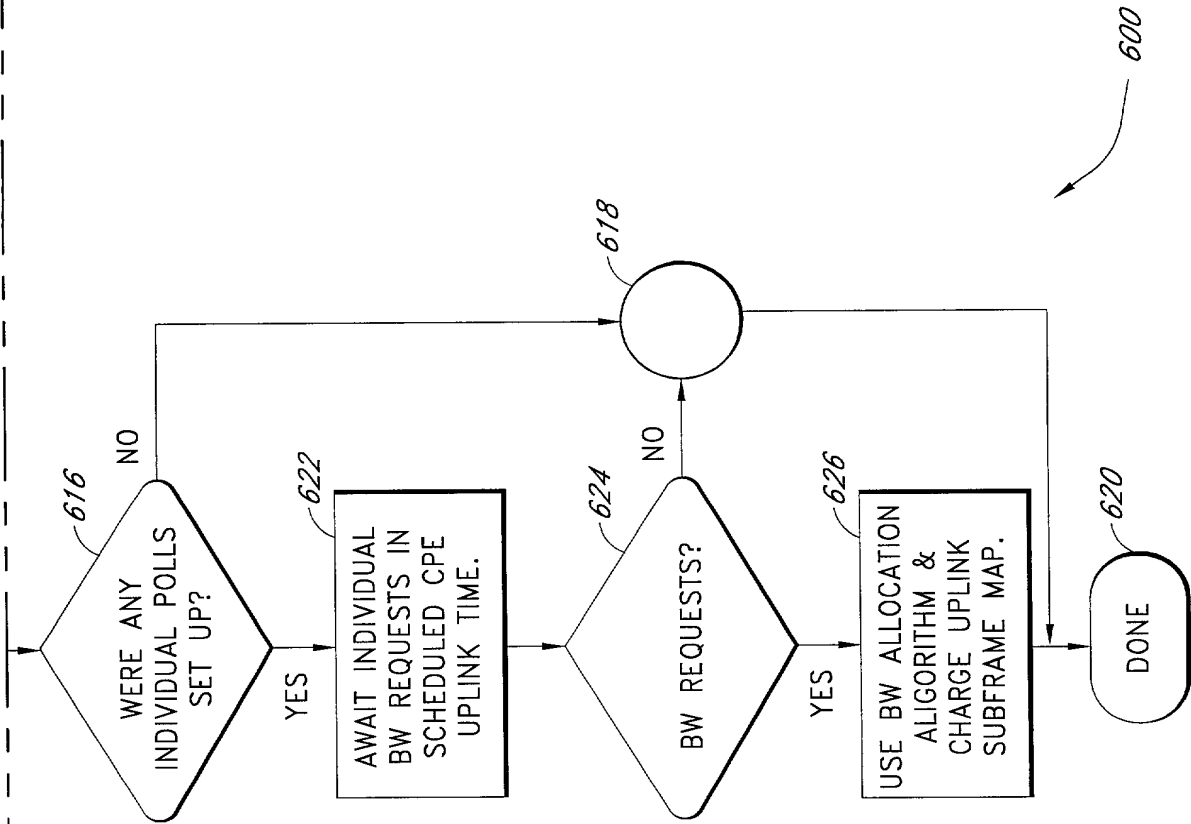
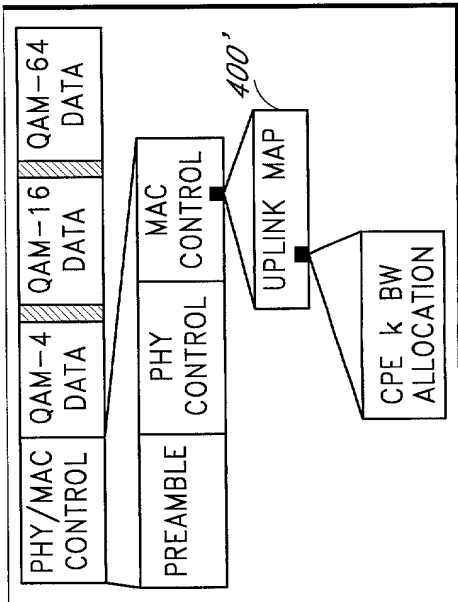
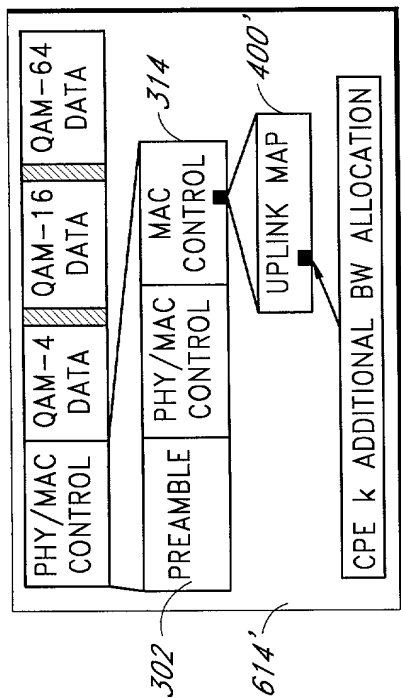


FIG. 6B

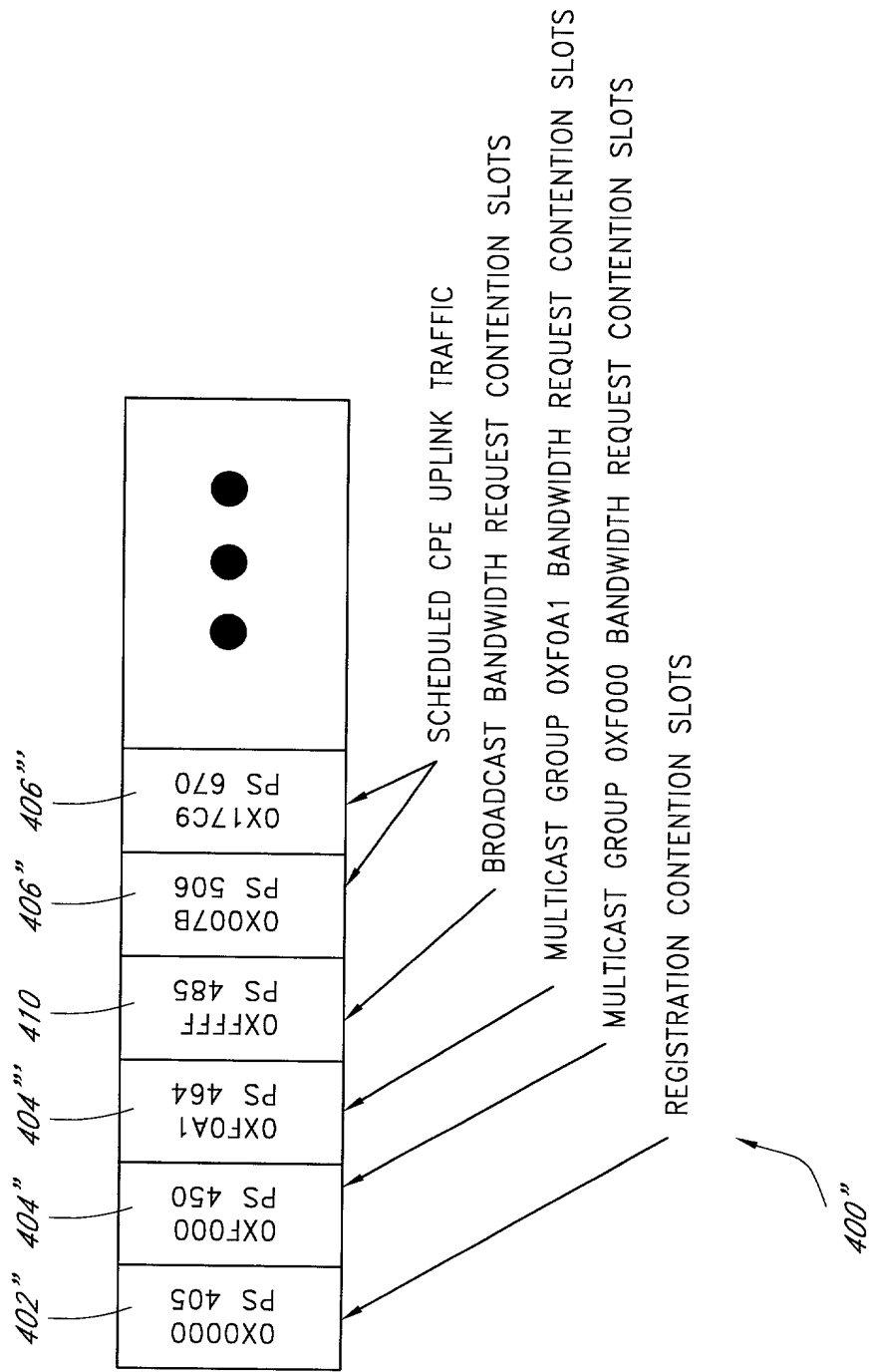


FIG. 7

FIG. 8A

FIG. 8A
FIG. 8B

FIG. 8

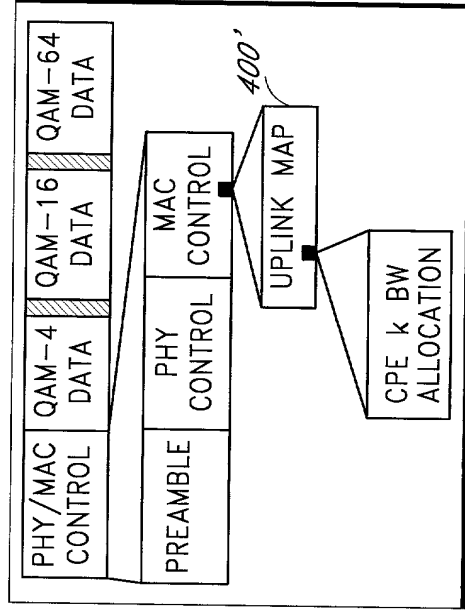
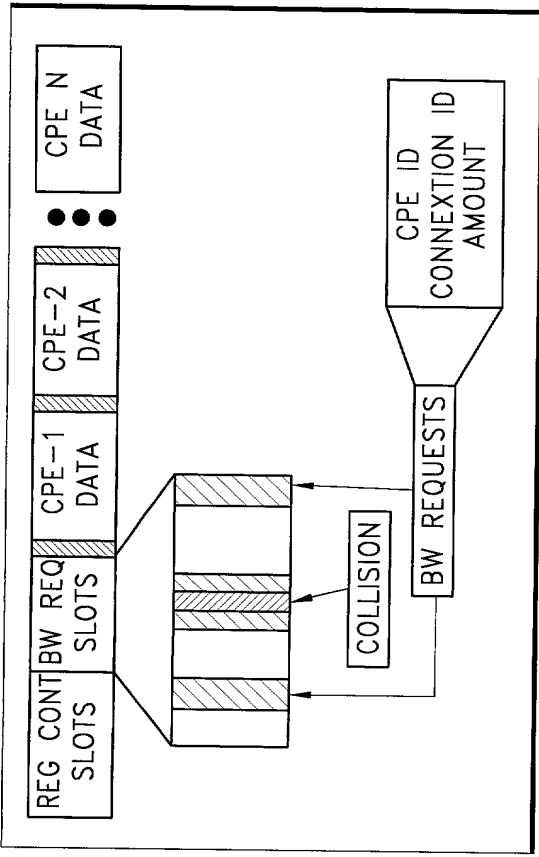
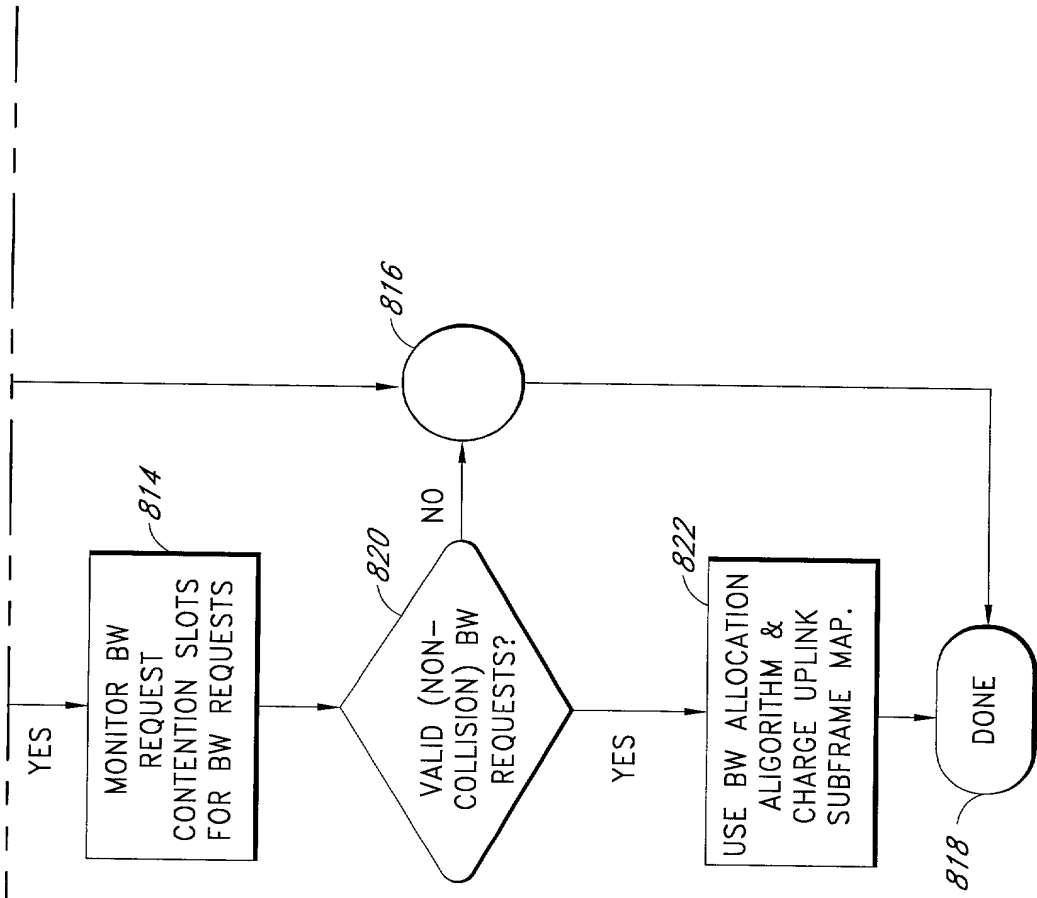
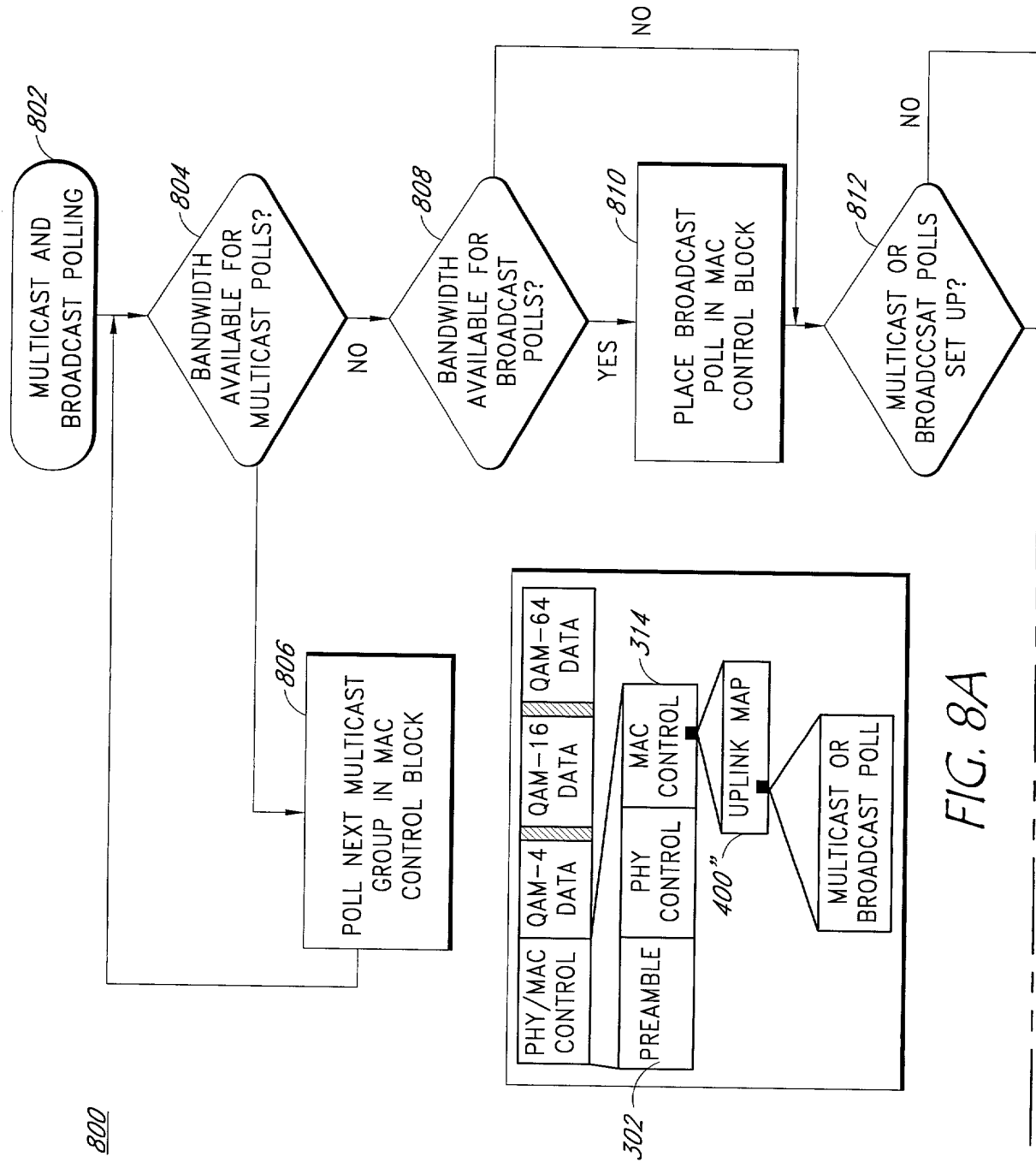


FIG. 8B



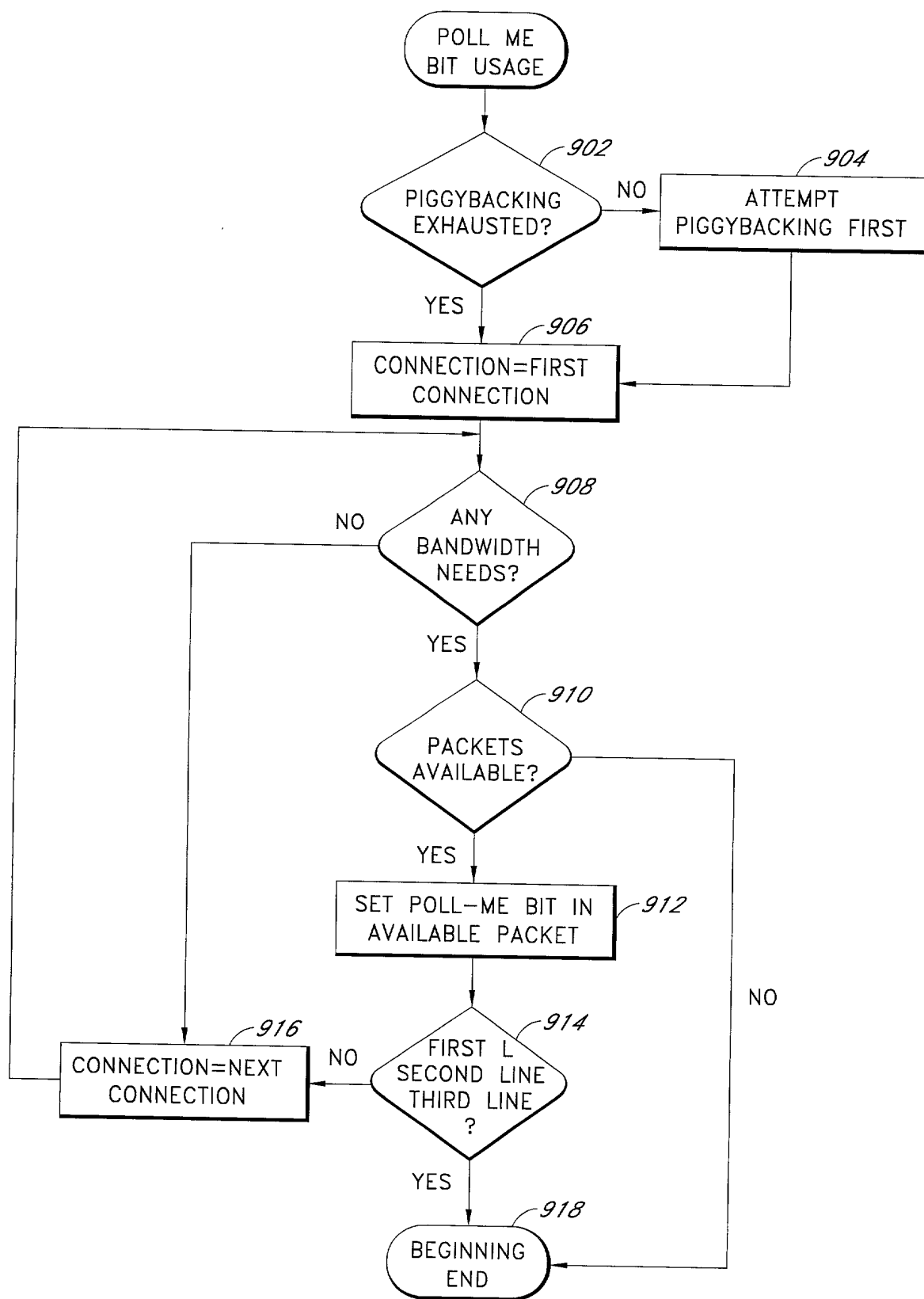


FIG. 9

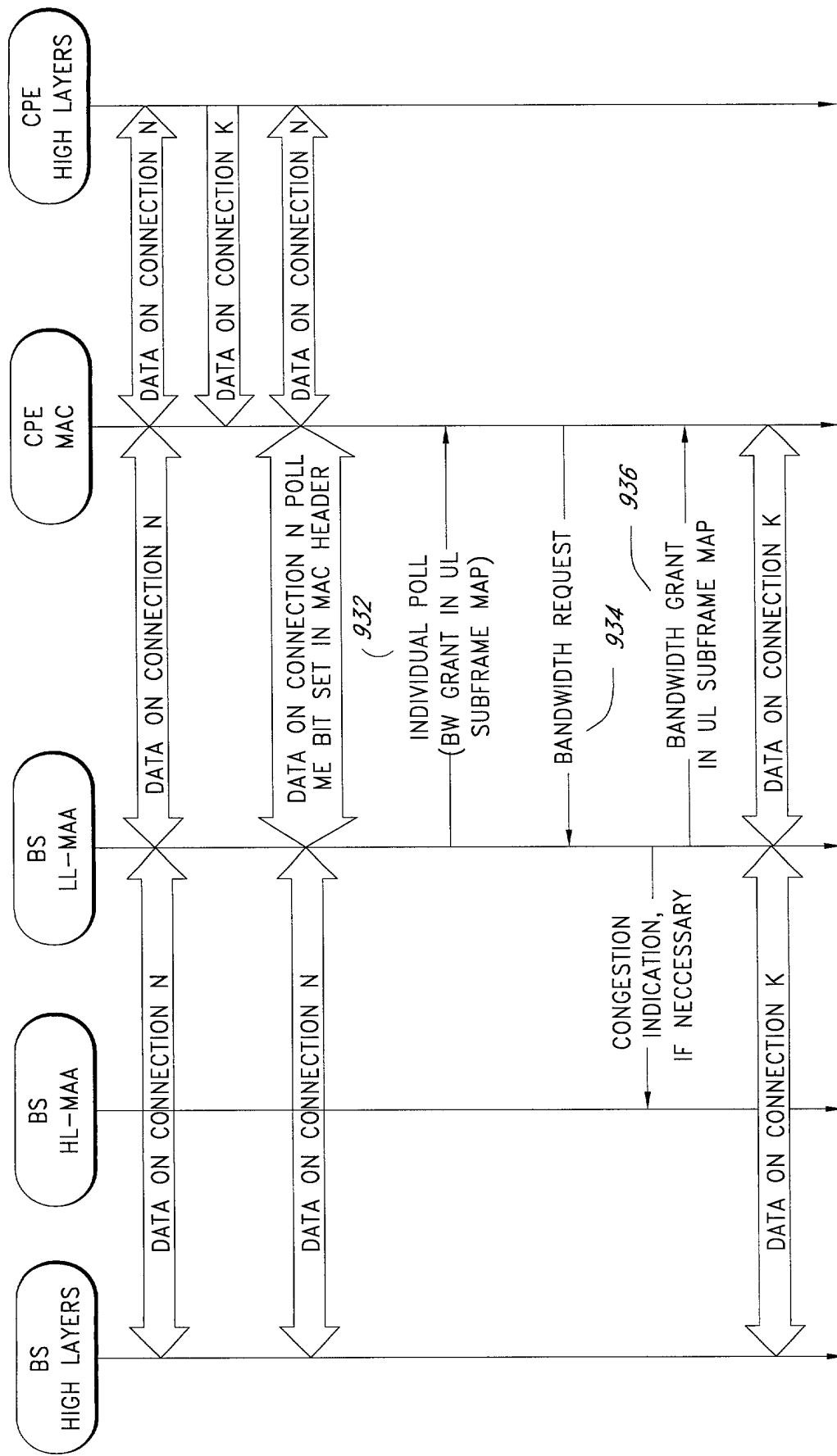


FIG. 10

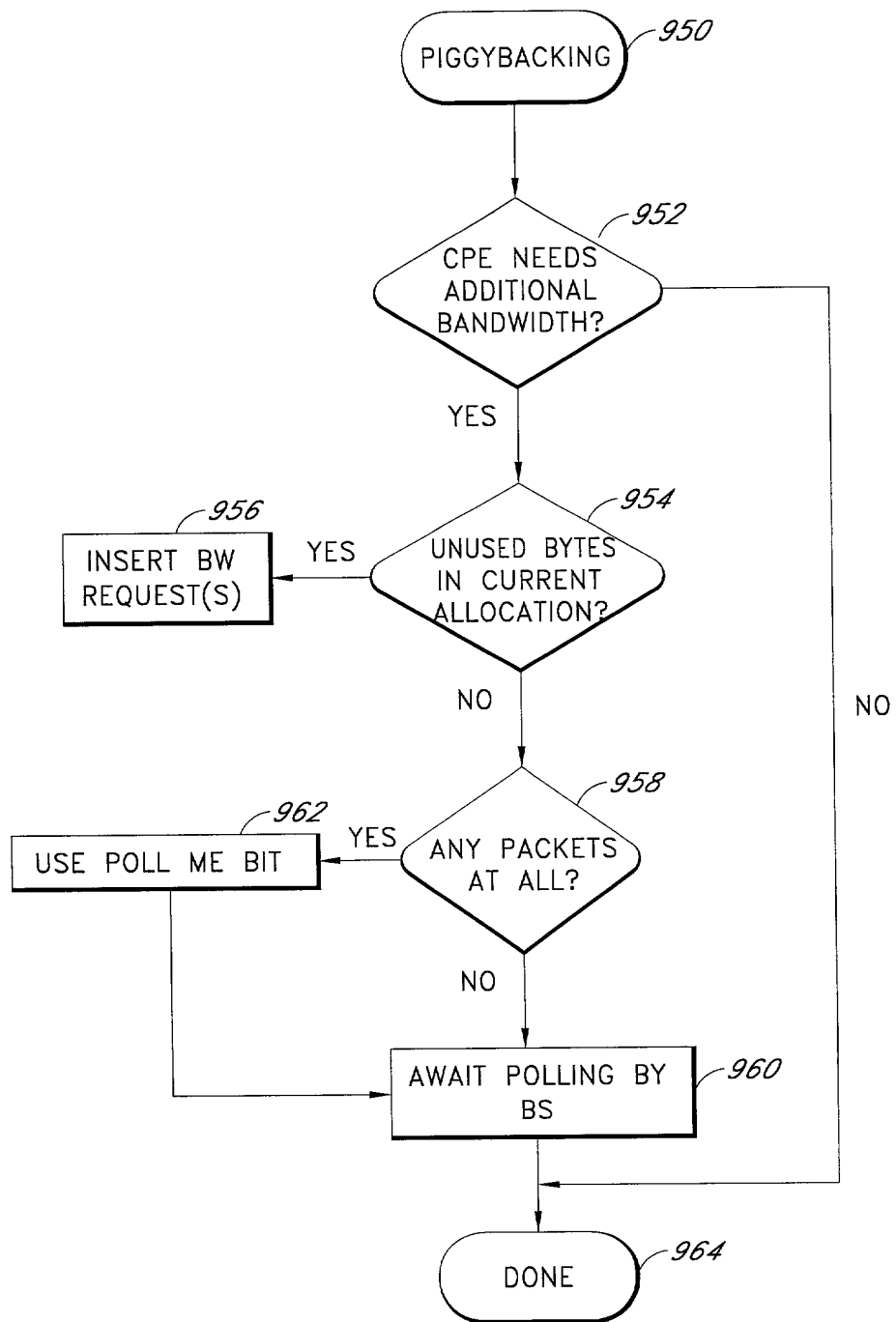


FIG. 11

FIG. 12A
FIG. 12B

FIG. 12

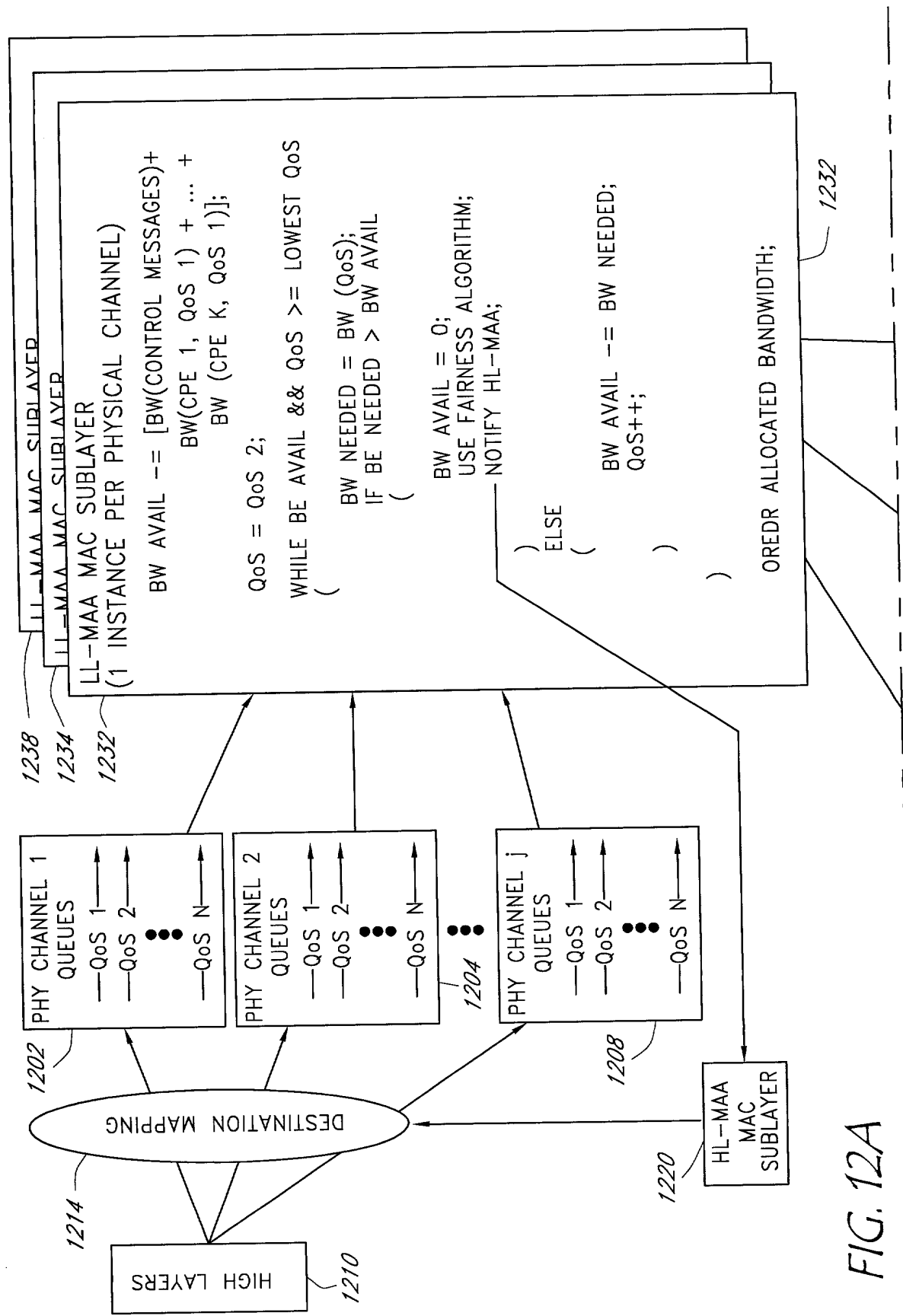


FIG. 12A

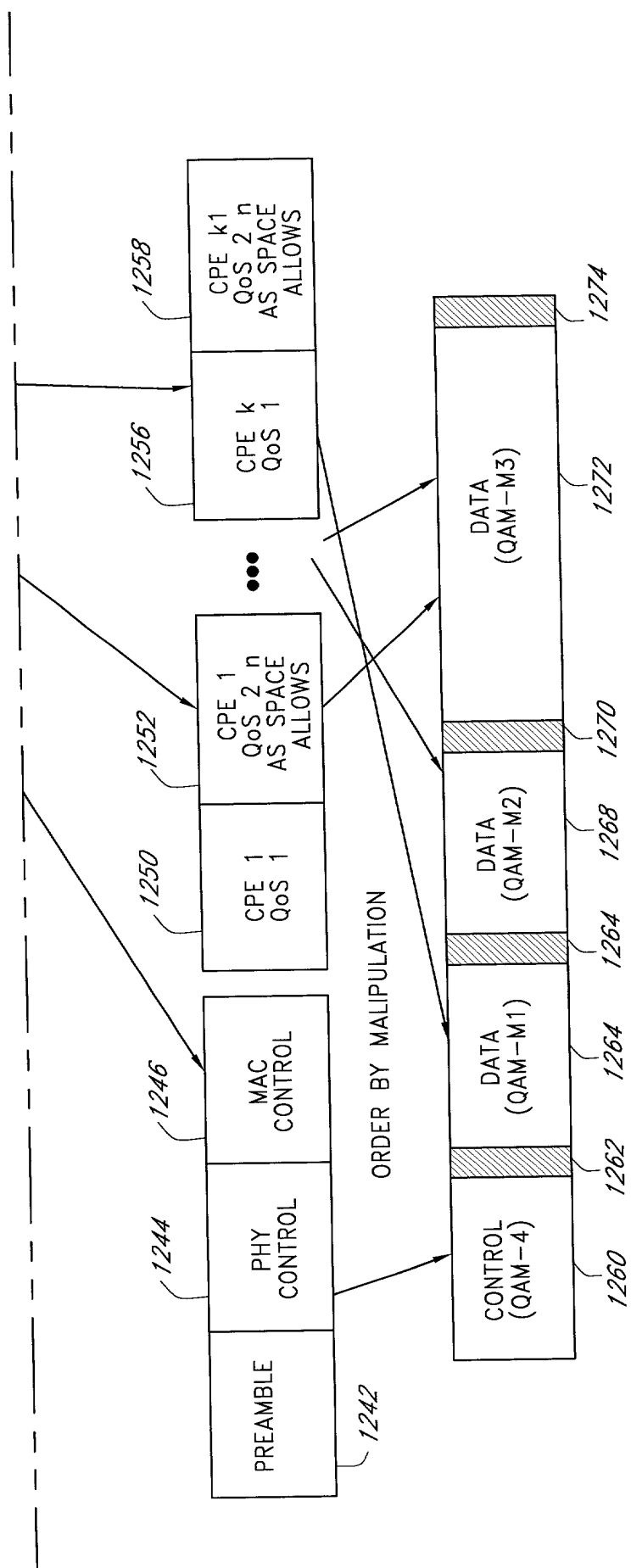
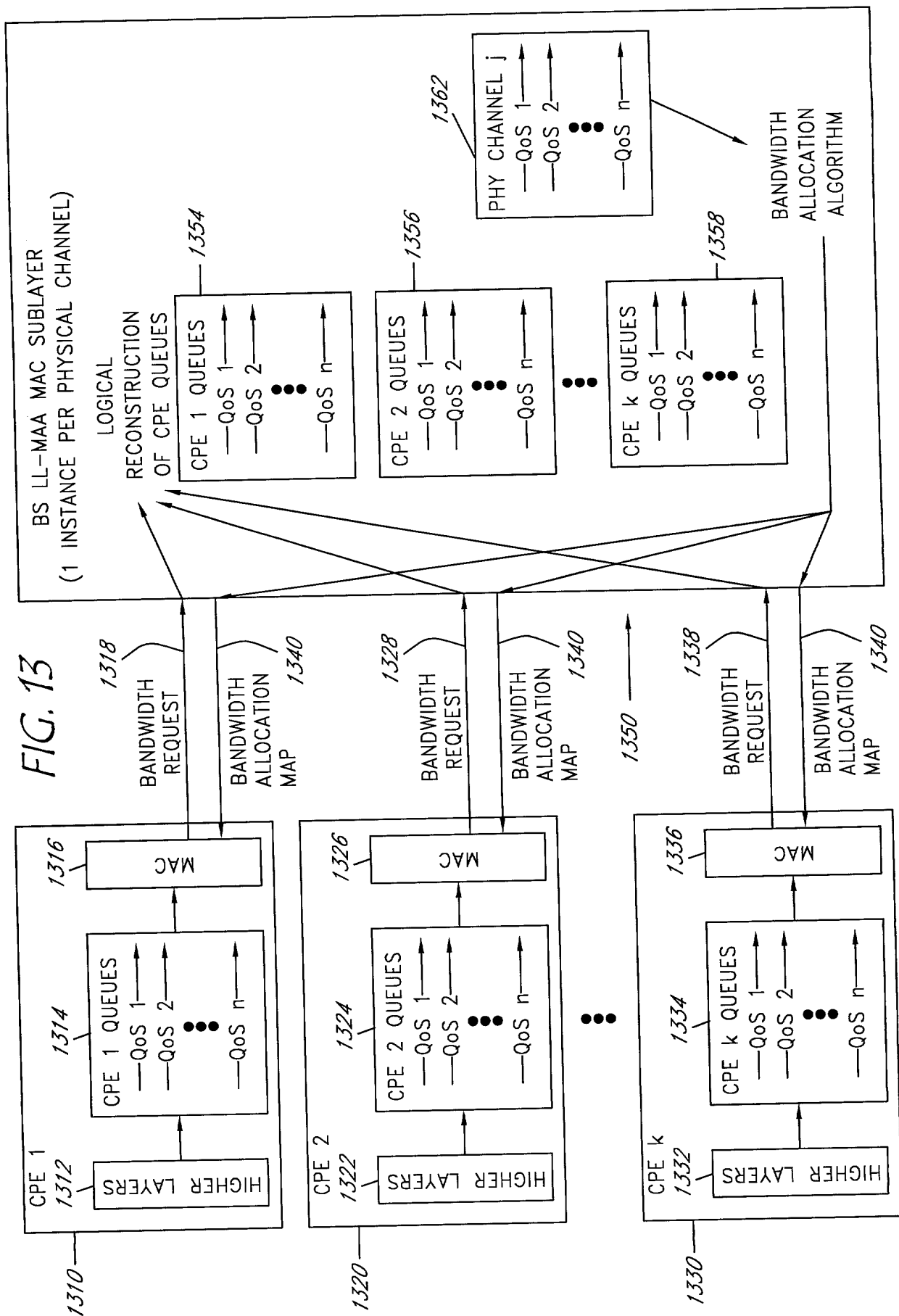


FIG. 12B

FIG. 13



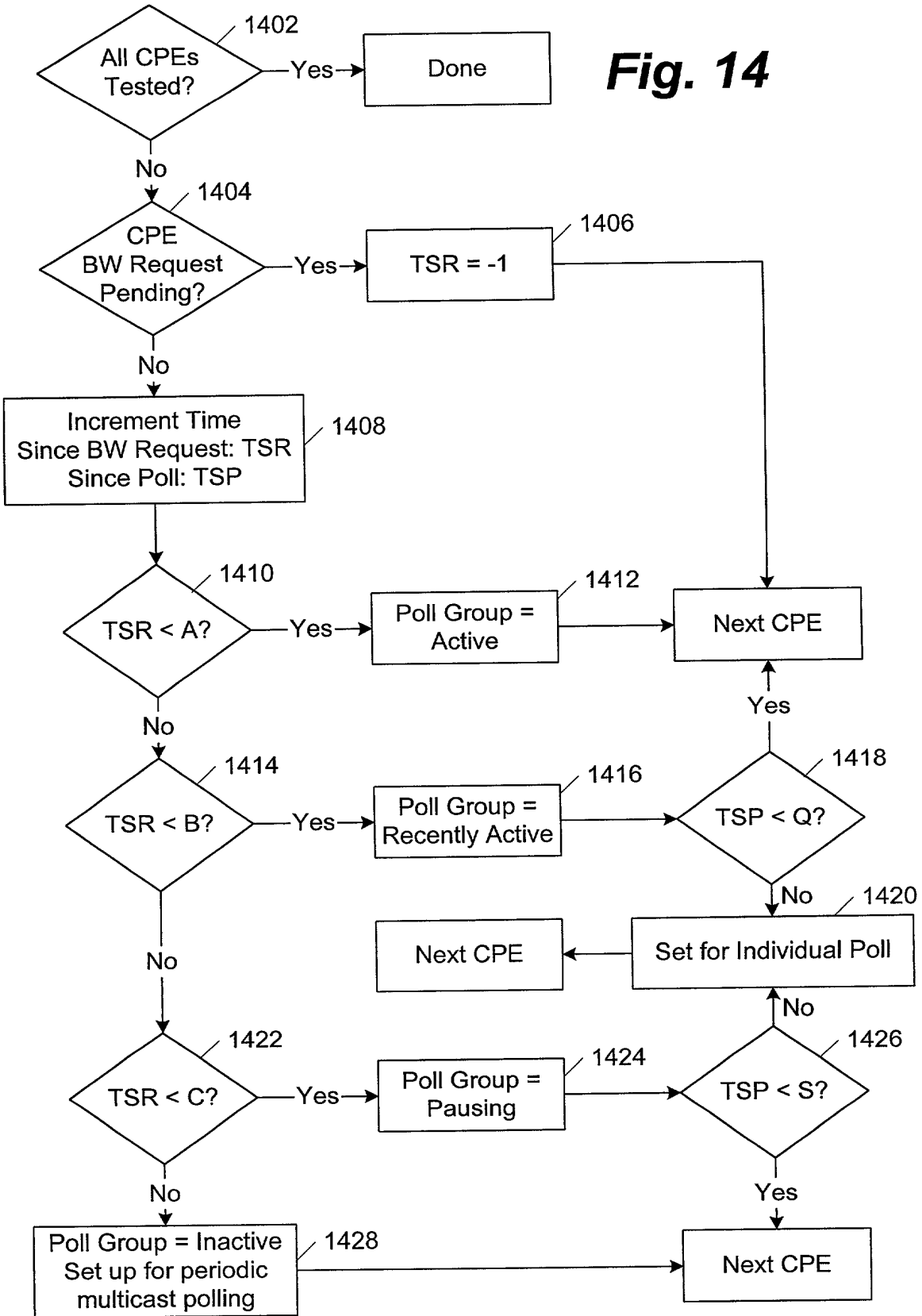
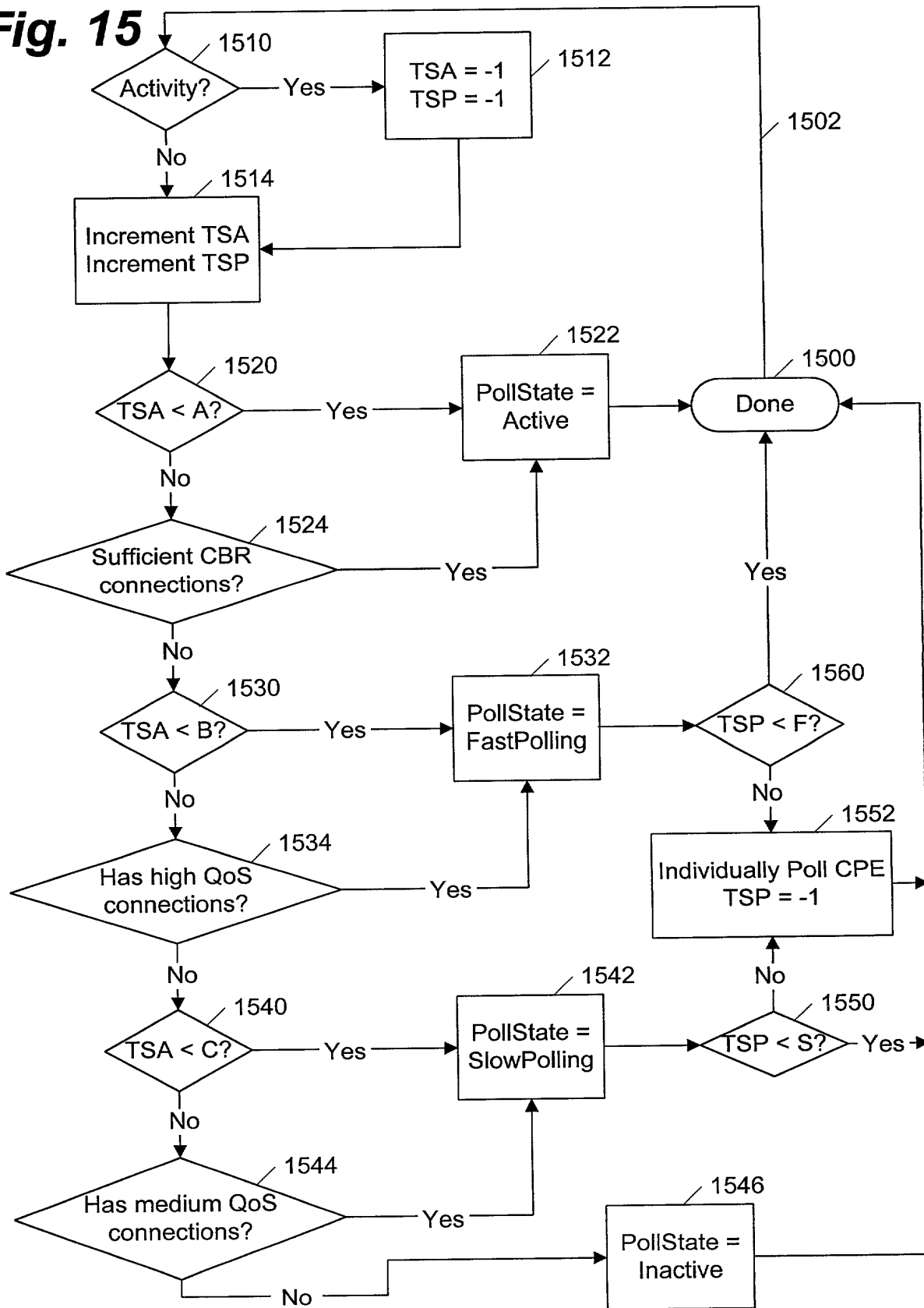


Fig. 15



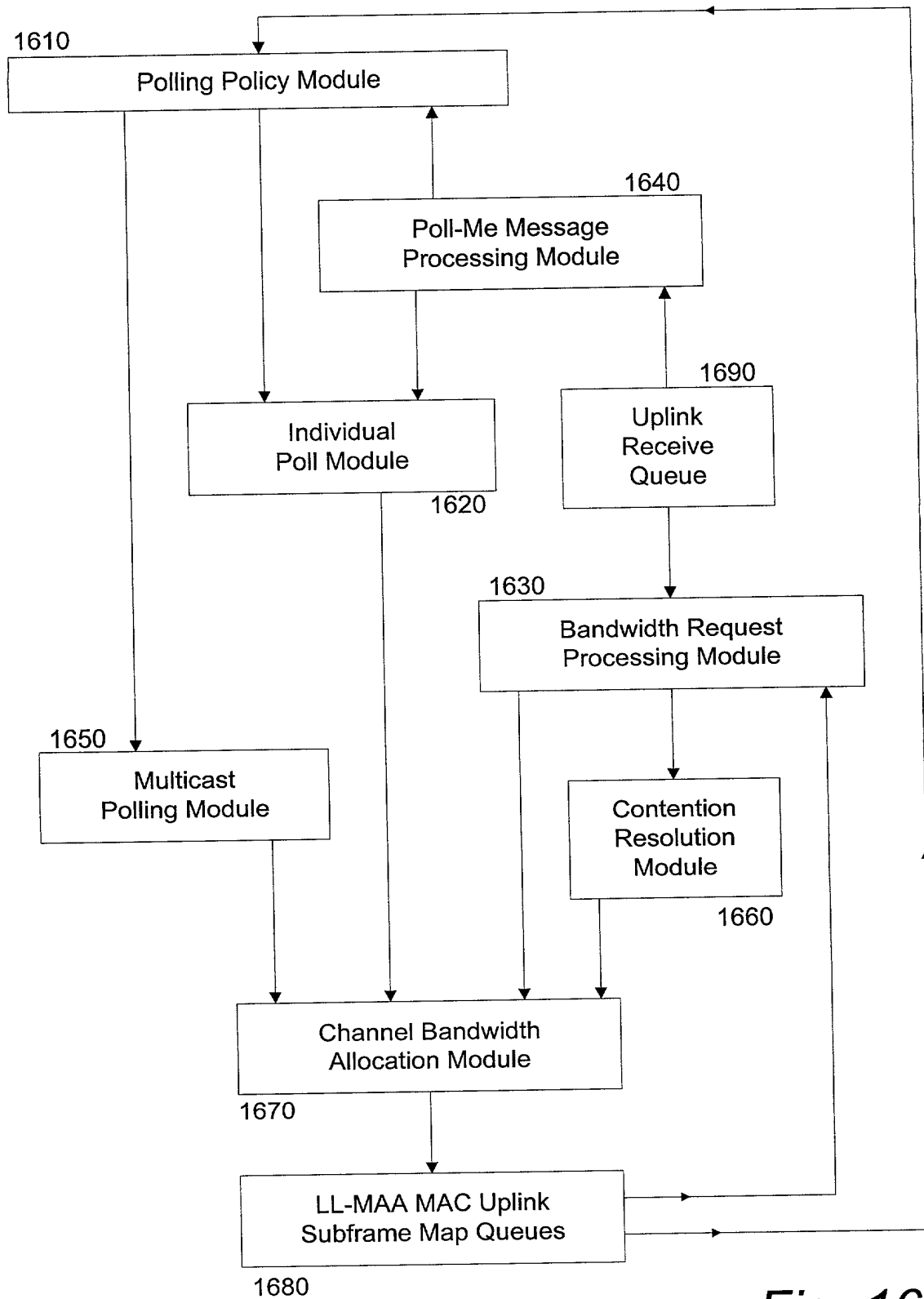


Fig. 16